| 0 | For receiving Office use only | i m |
|------------------|--|-------------------------------------|
| 0-1 | International Application No. | 14 1.2005 |
| 0-2 | International Filing Date | |
| | | |
| 0-3 | Name of receiving Office and "PCT | |
| | International Application" | |
| | | <u> </u> |
| | | |
| 0-4 | Form - PCT/RO/101 PCT Request | • |
| 0-4-1 | Prepared using | PCT-EASY Version 2.92 |
| | | (updated 01.04.2003) |
| 0-5 | Petition | |
| | The undersigned requests that the | |
| | present international application be processed according to the Patent | |
| | Cooperation Treaty | |
| 0-6 | Receiving Office (specified by the applicant) | Korean Intellectual Property Office |
| | | (RO/KR) |
| 0-7 | Applicant's or agent's file reference | OPP021213KR |
| | Title of Invention | LIQUID CRYSTAL DISPLAY AND DRIVING |
| | | METHOD THEREOF |
| 11 | Applicant | |
| II-1 | This person is: | applicant only |
| 11-2 | Applicant for | all designated States except US |
| 11-4 | Name | SAMSUNG ELECTRONICS CO., LTD. |
| 11-5 | Address: | 416, |
| | • | Maetan-dong, Paldal-ku, |
| ٠. | | 442-370 Suwon-city, Kyungki-do, |
| | | Republic of Korea |
| II-6 | State of nationality | KR. |
| 11-7 | State of residence | KR |
| 11-8 | Telephone No. | 82-31-209-7703 |
| 11-9 | Facsimile No. | 82-31-209-2779 |
| III-1 | Applicant and/or inventor | 02-31-203-2773 |
| III-1-1 · | This person is: | |
| III-1-2 | Applicant for | applicant and inventor |
| | | US only |
| 111-1-4 | Name (LAST, First) | KIM, Jong-Seon |
| III-1-5 | Address: | Dongbu Apt. 102-301, |
| • | | Dokgok-dong, |
| | | 459-801 Pyeongtaek-city, Kyungki-do |
| | | Republic of Korea |
| III-1-6 | State of nationality | KR |
| III-1 - 7 | State of residence | KR |

| IV-1 | Agent or common representative; or | |
|--------|--|--|
| | address for correspondence | |
| | The person identified below is hereby/has been appointed to act on | agent |
| • | behalf of the applicant(s) before the | |
| | competent International Authorities as: | |
| IV-1-1 | Name | YOU ME PATENT & LAW FIRM |
| IV-1-2 | Address: | Teheran Bldg., 825-33, |
| | | Yoksam-dong, Kangnam-ku, |
| • | | 135-080 Seoul |
| | | Republic of Korea |
| IV-1-3 | Telephone No. | 82-2-3458-0700 |
| IV-1-4 | Facsimile No. | 82-2-553-5254 |
| IV-1-5 | e-mail | email@youme.com |
| V | Designation of States | Cincility outside . Com |
| V-1 | Regional Patent | |
| V-1 | (other kinds of protection or treatment, | AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM |
| | if any, are specified between | ZW and any other State which is a |
| • | parentheses after the designation(s) concerned) | Contracting State of the Harare Protocol |
| | Concentacy | and of the PCT |
| | | EA: AM AZ BY KG KZ MD RU TJ TM and any |
| | | other State which is a Contracting State |
| | | of the Eurasian Patent Convention and of |
| | | the PCT |
| | | EP: AT BE BG CHELI CY CZ DE DK EE ES FI |
| | | FR GB GR HU IE IT LU MC NL PT RO SE SI |
| | | SK TR and any other State which is a |
| | | Contracting State of the European Patent |
| | | Convention and of the PCT |
| | | OA: BF BJ CF CG CI CM GA GN GQ GW ML MR |
| • | | NE SN TD TG and any other State which is |
| ٠ | | a member State of OAPI and a Contracting |
| • | | |
| | | State of the PCT |
| V-2 | National Patent (other kinds of protection or treatment, | AE AG AL AM AT AU AZ BA BB BG BR BY BZ |
| | if any, are specified between | CA CHELI CN CO CR CU CZ DE DK DM DZ EC |
| | parentheses after the designation(s) | EE ES FI GB GD GE GH GM HR HU ID IL IN |
| | concerned) | IS JP KE KG KP KZ LC LK LR LS LT LU LV |
| • | | MA MD MG MK MN MW MX MZ NI NO NZ OM PG |
| | | PH PL PT RO RU SC SD SE SG SK SL SY TJ |
| ٠. | | TM TN TR TT TZ UA UG US UZ VC VN YU ZA |
| | | ZM ZW |
| | | MAG. MIT |

| | · | •• : | |
|----------|--|----------------------------|-----------------------------|
| V-5 | Precautionary Designation Statement | | |
| | In addition to the designations made | | • |
| | under items V-1, V-2 and V-3, the | | |
| | applicant also makes under Rule 4.9(b) all designations which would be | · . | |
| | permitted under the PCT except any | | |
| | designation(s) of the State(s) indicated | · · | |
| | under item V-6 below. The applicant | | |
| | declares that those additional designations are subject to confirmation | | |
| | and that any designation which is not | | |
| | confirmed before the expiration of 15 | | |
| | months from the priority date is to be regarded as withdrawn by the applicant | | • |
| | at the expiration of that time limit. | | |
| V-6 | Exclusion(s) from precautionary | NONE | |
| | designations | | |
| VI-1 | Priority claim of earlier national | | |
| VI-1-1 | application Filing date | 00 3 0000 (00 0 | |
| • | | 02 August 2002 (02.0 | 8.2002) |
| VI-1-2 | Number | 10-2002-0045815 | * |
| VI-1-3 | Country | KR | |
| VII-1 | International Searching Authority Chosen | Austrian Patent Offi | ce (ISA/AT) |
| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the | _ | |
| • • • | inventor | | |
| VIII-2 | Declaration as to the applicant's | - . | |
| | entitlement, as at the international filing date, to apply for and be granted a | | |
| | patent | | |
| VIII-3 | Declaration as to the applicant's | _ | |
| • | entitlement, as at the international filing date, to claim the priority of the earlier | | |
| •.•• | application | | |
| VIII-4 | Declaration of inventorship (only for the | =. | |
| ·.: | purposes of the designation of the | | |
| VIII-5 | United States of America) Declaration as to non-prejudicial | | |
| VIII-0 | disclosures or exceptions to lack of | | * |
| | novelty | | |
| IX | Check list | number of sheets | electronic file(s) attached |
| IX-1 | Request (including declaration sheets) | 4 | = |
| IX-2 | Description | 9 | _ |
| IX-3 | Claims | 3 . | - |
| IX-4 | Abstract | 1 | EZABSTOO.TXT |
| IX-5 | Drawings | 5 | - |
| IX-7 | TOTAL | 22 | |
| - | Accompanying items | paper document(s) attached | electronic file(s) attached |
| IX-8 | Fee calculation sheet | V | |
| IX-9 | Original separate power of attorney | | |
| IX-17 | PCT-EASY diskette | _ | Diskette |
| IX-19 | Figure of the drawings which should accompany the abstract | 2 | |
| IX-20 | Language of filing of the | English | · |
| <u> </u> | International application | I | <u> </u> |

| X-1 | Signature of applicant, agent or common representative | | , |
|-------|--|--------------------------|---|
| X-1-1 | Name | YOU ME PATENT & LAW FIRM | |
| X-1-2 | Name of signatory | KIM, Won-Ho | |
| X-1-3 | Capacity | Representaive | • |

FOR RECEIVING OFFICE USE ONLY

| 10-1 | Date of actual receipt of the purported international application | |
|--------|--|--------|
| 10-2 | Drawings: | |
| 10-2-1 | Received | |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/AT |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |

FOR INTERNATIONAL BUREAU USE ONLY

| 11-1 Date of receipt of the record copy by | | | |
|--|------|---|--|
| the International Bureau | | · • • • • • • • • • • • • • • • • • • • | |
| | | | |



(This sheet is not part of and does not count as a sheet of the international application)

| 0 . | I Consorbing Office was only | · · · · · · · · · · · · · · · · · · · | |
|--------|--|---------------------------------------|--------------------------|
| • | For receiving Office use only | | |
| 0-1 | International Application No. | | |
|)-2 | Date stamp of the receiving Office | | |
| | | | |
| 0-4 | Form - PCT/RO/101 (Annex) PCT Fee Calculation Sheet | | |
|)-4-1 | Prepared using | PCT-EASY Vers (updated 01.0 | |
|)-9 | Applicant's or agent's file reference | | 4.2003) |
| 2 | Applicant | OPP021213KR | |
| | | | RONICS CO., LTD., et al. |
| 12 . | Calculation of prescribed fees | fee amount/multiplier | Total amounts (KRW) |
| 12-1 | Transmittal fee T | ⇒ | 45,000 |
| 12-2-1 | Search fee S | ⇨ | 191,000 |
| 12-2-2 | International search to be carried out by | AT | |
| 12-3 | International fee | | |
| | Basic fee | | |
| • | (first 30 sheets) b1 | 530,000 | |
| 12-4 | Remaining sheets | 0 | |
| 12-5 | Additional amount (X) | | |
| 12-6 | Total additional amount b2 | | |
| 12-7 | b1 + b2 = B | 0 | |
| 12-8 | Control of the second se | 530,000 | |
| 12-0 | Designation fees | | |
| ٠ | Number of designations contained in international application | 96 | |
| 12-9 | Number of designation fees payable (maximum 5) | 5 | |
| 12-10 | Amount of designation fee (X) | 114,000 | |
| 12-11 | Total designation fees D | 570,000 | |
| 12-12 | PCT-EASY fee reduction R | -163,000 | |
| 12-13 | Total International fee (B+D-R) | -163,000 ⇒ | 037 000 |
| 2-17 | TOTAL FEES PAYABLE (T+S+I+P) | □ | 937,000 |
| 2-19 | Mode of payment | | 1,173,000 |
| 14-13 | mode or payment | cash | • • • • • • • • • • • |

VALIDATION LOG AND REMARKS

| 13-2-2 | Validation messages States | Green? |
|--------|---------------------------------------|--|
| | Janes . | More designations, could be made. The |
| | | following States have not been |
| | | designated: KR. Please verify. |
| 13-2-7 | 3-2-7 Validation messages Contents | Green? |
| | | Priority 1. The priority document is not |
| | | enclosed. (The applicant must furnish it |
| | | within 16 months from the earliest |
| | | priority date claimed) |

PCT (ANNEX - FEE CALCULATION SHEET) Original (for SUBMISSION) - printed on 31.07.2003 02:26:21 PM

| | | Yellow Accompanying item "original separate power of attorney" has not been indicated as enclosed. |
|-------------|--|--|
| 13-2-1 1 | Validation messages For receiving Office/International Bureau use only | Green? Verify electronic data for consistency against printed form. |